

Phase II



- Longitude and latitude location of the caller.
- Margin of error for accuracy depends on technology solution.
- Implementation dates depends on technology solution.

Accuracy



- Handset Based Solution
 - 50 meters / 67% of the calls
 - 150 meters / 95% of the calls
- Network Based Solution
 - 100 meters / 67% of the calls
 - -300 meters / 95% of the calls

Timeline



- Announce Technology by November 9
- Handset based
 - Begin selling by October 2001 (regardless of request).
 - 25% of new by December 31, 2001.
 - 50% by June 30, 2002.
 - 100% by December 31, 2002.
 - Full penetration (95%) by December 31, 2005.
- Network based
 - 50% of area in 6 months of request.
 - 100% within 18 months.

Preparation



- Identified "new" requirements for PSAPs for Phase II.
 - Mapping Data
 - Display System
- Computerized mapping not necessarily required.
- Held two focus groups to solicit input from the user community.

Mapping Data



- Aerial Photography
 - Digital orthographic
 - VGIN program



- Street centerline and addressing
 - Drawn on top of the photography
 - VDOT project

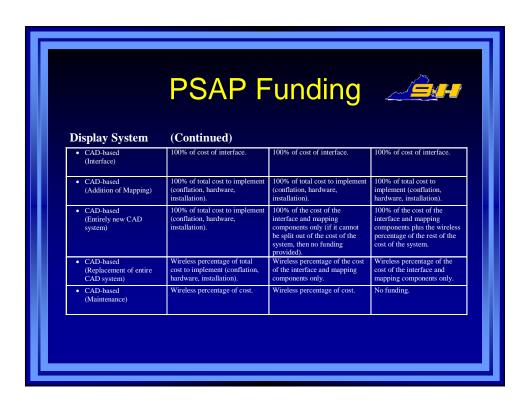
Display System



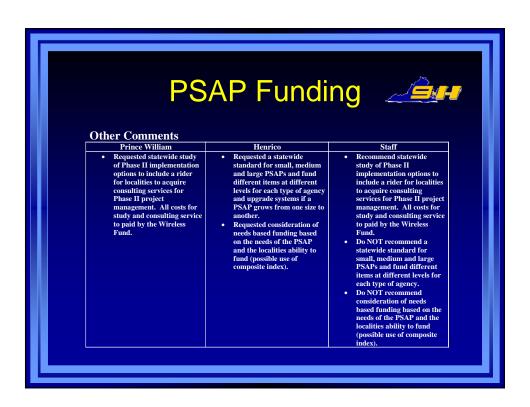
- CPE-based
- CAD-based
- Separate system
- Service provider (data and display)

PSAP Funding Prince William Staff Mapping Wireless percentage of cost or 100% of cost - Should be Aerial Photography (Initial effort) Composite index or Statewide higher amount for start up such as composite index or fixed amount. program. No funding unless statewide Wireless percentage of cost. Aerial Photography (Repeated) Street Wireless percentage of cost or Centerline higher amount for start up such as (Initial effort) composite index or fixed amount. 100% of cost - Should be conducted in a statewide Composite index or Statewide program (whichever is more economical). program. Street Centerline Wireless percentage of cost. (On-going) 100% - Should be conducted in a statewide program. Building and Parcels (Initial effort) No funding. No funding. No funding. Wireless percentage of cost. **Building and** Parcels (On-going) Wireless percentage of cost. Wireless percentage of cost or 100% for first year of start-up. Wireless percentage of cost. Personnel for Maintenance Addressing Equipment Not discussed. Not discussed. Wireless percentage of cost.

Display System	Prince William	Henrico	Staff
CPE-based (Initial purchase)	100% of total cost to implement (conflation, hardware, installation).	100% of total cost to implement (conflation, hardware, installation).	100% of total cost to implement (conflation, hardware, installation).
• CPE-based (Replacement)	Wireless percentage of cost.	Wireless percentage of cost.	Wireless percentage of cost.
• CPE-based (Maintenance)	Wireless percentage of cost.	Wireless percentage of cost.	Wireless percentage of cost.



Display System	(Continued)		
Separate system (Initial purchase)	100% of total cost to implement (conflation, hardware, installation).	100% of total cost to implement (conflation, hardware, installation).	100% of total cost to implement (conflation, hardware, installation).
Separate system (Replacement)	Wireless percentage of cost.	Wireless percentage of cost.	Wireless percentage of cost.
Separate system (Maintenance)	Wireless percentage of cost.	Wireless percentage of cost.	Wireless percentage of cost.
Service Provider based	100% of total cost.	100% of total cost.	100% of total cost if no other use than wireless E-911.



Study



- Inventory and evaluate current equipment and data as it relates to wireless E-911.
- Prepare options for each localities to implement wireless E-911.
- Provide contract vehicle for localities to use consultant for project management.

Consulting Rider



- Many localities lack the time and expertise for dealing with wireless 9-1-1.
- Will likely speed implementation.
- Will lower cost (of study and service).
- Should not limit to Phase II.
- Should require localities to develop a detailed scope of work.